



PATENT  
Atty. Docket No.:  
MTSI-P01-001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gary et al.

Serial No.: 09/925,848

Group Art Unit: 2857

Filed: August 7, 2001

Examiner: Not Yet Assigned

Title: SYSTEM FOR ELECTRONICALLY MANAGING,  
FINDING, AND/OR DISPLAYING BIOMOLECULAR INTERACTIONS

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, United States Patent and Trademark Office, Washington, D.C. 20231.

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Date of Signature  
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*Anna P. Lucey*

Anna P. Lucey

Assistant Commissioner for Patents  
United States Patent and Trademark Office  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97(b)**

Submitted herewith on Form PTO-1449 is a list of documents known to Applicants, their Agent and/or Attorney in compliance with the requirements of 37 C.F.R. 1.56. A copy of each document listed is also being submitted herewith.

This Information Disclosure Statement is being filed before the mailing of the first office action on the merits; therefore, no fee is due.

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Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form PTO-1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there are any fees due in connection with the filing of this Statement, please charge the fees to our **Deposit Account, No. 18-1945.**

Respectfully submitted,  
Ropes & Gray

By:   
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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
MTSI-P01-001Application Number  
09/925,848Applicant  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AA	WO 99/58719	11/18/99	PCT			
	AB	WO 98/23781	6/4/98	PCT			
	AC	WO 97/47763	12/18/97	PCT			

**OTHER DOCUMENTS**

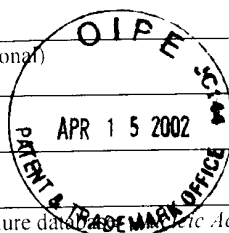
(Including Author, Title, Date, Pertinent Pages Etc.)

AD	Abola, E. E. et al. The Protein Data Bank. <i>The Role of Data on Scientific Progress</i> , P. S. Glaeser, ed., 139-144 (1985) <u>2</u>
AE	Altschul, S. F. et al. Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. <i>Nucleic Acids Research</i> 25, 3389-3402 (1997). <u>3</u>
AF	Bader, G. D. & Hogue, C. W. V. BIND-a data specification for storing and describing biomolecular interactions, molecular complexes and pathways. <i>Bioinformatics</i> 16, 465-477 (2000). <u>2</u>
AG	Bairoch, A. & Apweiler, R. The SWISS-PROT protein sequence data bank and its supplement TrEMBL in 1999. <i>Nucleic Acids Research</i> 27, 49-54 (1999). <u>3</u>
AH	Benson, D. A. et al. GenBank. <i>Nucleic Acids Research</i> 27, 12-17 (1999). <u>2</u>
AI	Bernstein, F. C. et al. The Protein Data Bank: A Computer-based Archival File for Macromolecular Structures. <i>Archives of Biochemistry and Biophysics</i> 185, 584-591 (1978). <u>3</u>
AJ	Gasteiger, J. et al. Chemical Information in 3D Space. <i>J. Chem. Inf. Comput. Sci.</i> 36, 1030-1037 (1996). <u>2</u>
AK	Higgins, D. G. et al. Using CLUSTAL for Multiple Sequence Alignments. <i>Methods in Enzymology</i> 266, 383-402 (1996). <u>2</u>
AL	Hogue, Christopher W. V. Cn3D: a new generation of three-dimensional molecular structure viewer. <i>TIBS</i> 22, 314-316 (August 1997). <u>2</u>
AM	Hogue, C. W. V. et al. A dynamic look at structures: WWW-Entrez and the Molecular Modeling Database. <i>TIBS</i> 21, 226-229 (June 1996). <u>2</u>
AN	Kans, J. A. & Ouellette, B. F. Submitting DNA Sequences to the Databases. <i>Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins</i> , A. D. Baxevanis & B. F. F. Ouellette, eds., 14, 319-353 (1998). <u>2</u>

Form PTO-1449

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AO	Marchler-Bauer, A. et al. MMDB: Entrez's 3D structure database. <i>Nucleic Acids Research</i> 27, 240-241 (1999).
AP	Marcotte, E. M. et al. Detecting Protein Function and Protein-Protein Interactions from Genome Sequences. <i>Science</i> 285, 754-755 (30 July 1999). ✓
AQ	Mendelsohn, A. R. & Brent, R. Protein Interaction Methods-Toward an Endgame. <i>Science</i> 284, 209-215 (1999). ✓
AR	Mohr, E. et al. FlyNets and GIF-DB, two Internet databases for molecular interactions in <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> 26, 89-93 (1998). ✓
AS	Ostell, J. M. & Kane, J. A. The NCBI Data Model. <i>Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins</i> , A. D. Baxevanis & B. F. F. Ouellette, eds., 6, 121-144 (1998). ✓
AT	Schuler, G. D. et al. Entrez: Molecular Biology Database and Retrieval System. <i>Methods in Enzymology</i> 266, 141-162 (1996). ✓
AU	Stoesser, G. et al. The EMBL Nucleotide Sequence Database. <i>Nucleic Acids Research</i> 27, 18-24 (1999). ✓
AV	Sugawara, H. et al. DNA Data Bank of Japan dealing with large-scale data submission. <i>Nucleic Acids Research</i> 27, 25-28 (1999). ✓
AW	Weininger, David. SMILES, a Chemical Language and Information System. 1. Introduction to Methodology and Encoding Rules. <i>J. Chem. Inf. Comput. Sci.</i> 28, 31-36 (1988). ✓

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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